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Application Serial Number: 10/523,328
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PATENT APPLICATION: US/10/523,328

DATE: 10/05/2005
TIME: 16:05:40

Input Set : A:\WYTH-P01-001 seq.txt
Output Set: N:\CRF4\10052005\J523328.raw

3 <110> APPLICANT: Kuai, Jun
 4 Lin, Lih-Ling
 5 Wooters, Joseph L.
 6 Nickbarg, Elliot
 8 <120> TITLE OF INVENTION: METHODS AND REAGENTS RELATING TO INFLAMMATION AND APOPTOSIS
 10 <130> FILE REFERENCE: WYTH-P01-001
 12 <140> CURRENT APPLICATION NUMBER: US 10/523,328
 13 <141> CURRENT FILING DATE: 2005-02-01
 15 <150> PRIOR APPLICATION NUMBER: 60/400,410
 16 <151> PRIOR FILING DATE: 2002-08-01
 18 <160> NUMBER OF SEQ ID NOS: 20
 20 <170> SOFTWARE: PatentIn version 3.2
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 233
 24 <212> TYPE: PRT
 25 <213> ORGANISM: Homo sapiens
 27 <400> SEQUENCE: 1
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 33 Leu Pro Lys Lys Thr Gly Gly Pro Gln Gly Ser Arg Arg Cys Leu Phe
 34 20 25 30
 37 Leu Ser Leu Phe Ser Phe Leu Ile Val Ala Gly Ala Thr Thr Leu Phe
 38 35 40 45
 41 Cys Leu Leu His Phe Gly Val Ile Gly Pro Gln Arg Glu Glu Ser Pro
 42 50 55 60
 45 Arg Asp Leu Ser Leu Ile Ser Pro Leu Ala Gln Ala Val Arg Ser Ser
 46 65 70 75 80
 49 Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val Val Ala Asn Pro
 50 85 90 95
 53 Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg Ala Asn Ala Leu
 54 100 105 110
 57 Leu Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu Val Val Pro Ser
 58 115 120 125
 61 Glu Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe Lys Gly Gln Gly
 62 130 135 140
 65 Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile Ser Arg Ile Ala
 66 145 150 155 160
 69 Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala Ile Lys Ser Pro
 70 165 170 175
 73 Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys Pro Trp Tyr Glu
 74 180 185 190
 77 Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys Gly Asp Arg Leu
 78 195 200 205

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81 Ser Ala Glu Ile Asn Arg Pro Asp Tyr Leu Asp Phe Ala Glu Ser Gly
82 210 215 220
85 Gln Val Tyr Phe Gly Ile Ile Ala Leu
86 225 230
89 <210> SEQ ID NO: 2
90 <211> LENGTH: 701
91 <212> TYPE: DNA
92 <213> ORGANISM: Homo sapiens
94 <400> SEQUENCE: 2
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97 acagggggggc ccagggtctcc aggcgggtgt tgttccttcag cctcttctcc ttccctgatcg 120
99 tggcaggcgc caccacgctc ttctgcctgc tgcaacttgg agtgtatcgcc ccccagaggg 180
101 aagagtccccc cagggacctc tctctaataca gccctctggc ccaggcagtc agatcatctt 240
103 ctgcgaacccc gagtgacaag cctgttagccc atgttgtagc aaaccctcaa gctgagggggc 300
105 agctccagtg gctgaaccgc cgggccaatg ccctctggc caatggcggtg gagctgagag 360
107 ataaccagct ggtggtgcca tcagaggggcc tgcacccat ctactcccgat gtcctttca 420
109 agggccaagg ctgccttc acccatgtgc tcctcaccca caccatcagc cgcatcgccg 480
111 tcctcttacca gaccaaggc aacccctctt ctgcacatcaa gagccctgc cagagggaga 540
113 cccccagaggg ggctgaggcc aagccctggat atgagcccat ctatctggga ggggtttcc 600
115 agctggagaa gggtgaccga ctcagcgctg agatcaatcg gcccgactat ctcgactttg 660
117 ccgagtctgg gcaggtctac tttggatca ttgcctgtg a 701
120 <210> SEQ ID NO: 3
121 <211> LENGTH: 455
122 <212> TYPE: PRT
123 <213> ORGANISM: Homo sapiens
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131 Glu Leu Leu Val Gly Ile Tyr Pro Ser Gly Val Ile Gly Leu Val Pro
132 20 25 30
135 His Leu Gly Asp Arg Glu Lys Arg Asp Ser Val Cys Pro Gln Gly Lys
136 35 40 45
139 Tyr Ile His Pro Gln Asn Asn Ser Ile Cys Cys Thr Lys Cys His Lys
140 50 55 60
143 Gly Thr Tyr Leu Tyr Asn Asp Cys Pro Gly Pro Gly Gln Asp Thr Asp
144 65 70 75 80
147 Cys Arg Glu Cys Glu Ser Gly Ser Phe Thr Ala Ser Glu Asn His Leu
148 85 90 95
151 Arg His Cys Leu Ser Cys Ser Lys Cys Arg Lys Glu Met Gly Gln Val
152 100 105 110
155 Glu Ile Ser Ser Cys Thr Val Asp Arg Asp Thr Val Cys Gly Cys Arg
156 115 120 125
159 Lys Asn Gln Tyr Arg His Tyr Trp Ser Glu Asn Leu Phe Gln Cys Phe
160 130 135 140
163 Asn Cys Ser Leu Cys Leu Asn Gly Thr Val His Leu Ser Cys Gln Glu
164 145 150 155 160
167 Lys Gln Asn Thr Val Cys Thr Cys His Ala Gly Phe Phe Leu Arg Glu
168 165 170 175
171 Asn Glu Cys Val Ser Cys Ser Asn Cys Lys Ser Leu Glu Cys Thr

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175 Lys Leu Cys Leu Pro Gln Ile Glu Asn Val Lys Gly Thr Glu Asp Ser			
176	195	200	205
179 Gly Thr Thr Val Leu Leu Pro Leu Val Ile Phe Phe Gly Leu Cys Leu			
180	210	215	220
183 Leu Ser Leu Leu Phe Ile Gly Leu Met Tyr Arg Tyr Gln Arg Trp Lys			
184	225	230	235
187 Ser Lys Leu Tyr Ser Ile Val Cys Gly Lys Ser Thr Pro Glu Lys Glu			
188	245	250	255
191 Gly Glu Leu Glu Gly Thr Thr Lys Pro Leu Ala Pro Asn Pro Ser			
192	260	265	270
195 Phe Ser Pro Thr Pro Gly Phe Thr Pro Thr Leu Gly Phe Ser Pro Val			
196	275	280	285
199 Pro Ser Ser Thr Phe Thr Ser Ser Thr Tyr Thr Pro Gly Asp Cys			
200	290	295	300
203 Pro Asn Phe Ala Ala Pro Arg Arg Glu Val Ala Pro Pro Tyr Gln Gly			
204	305	310	315
207 Ala Asp Pro Ile Leu Ala Thr Ala Leu Ala Ser Asp Pro Ile Pro Asn			
208	325	330	335
211 Pro Leu Gln Lys Trp Glu Asp Ser Ala His Lys Pro Gln Ser Leu Asp			
212	340	345	350
215 Thr Asp Asp Pro Ala Thr Leu Tyr Ala Val Val Glu Asn Val Pro Pro			
216	355	360	365
219 Leu Arg Trp Lys Glu Phe Val Arg Arg Leu Gly Leu Ser Asp His Glu			
220	370	375	380
223 Ile Asp Arg Leu Glu Leu Gln Asn Gly Arg Cys Leu Arg Glu Ala Gln			
224	385	390	395
227 Tyr Ser Met Leu Ala Thr Trp Arg Arg Arg Thr Pro Arg Arg Glu Ala			
228	405	410	415
231 Thr Leu Glu Leu Leu Gly Arg Val Leu Arg Asp Met Asp Leu Leu Gly			
232	420	425	430
235 Cys Leu Glu Asp Ile Glu Glu Ala Leu Cys Gly Pro Ala Ala Leu Pro			
236	435	440	445
239 Pro Ala Pro Ser Leu Leu Arg			
240	450	455	
243 <210> SEQ ID NO: 4			
244 <211> LENGTH: 1367			
245 <212> TYPE: DNA			
246 <213> ORGANISM: Homo sapiens			
248 <400> SEQUENCE: 4			
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251 ggaatatacc cctcagggtt tattggactg gtccctcacc tagggacacag ggagaagaga		120	
253 gatagtgtgt gtcccccaagg aaaatatac caccctcaaa ataattcgat ttgctgtacc		180	
255 aagtgccaca aaggaaccta cttgtacaat gactgtccag gcccggggca ggatacggac		240	
257 tgcagggagt gtgagagcgt etcccttcacc gcttcagaaa accacccatc acactgcctc		300	
259 agctgctcca aatgcccggaaa ggaaatgggt caggtggaga tctcttcttg cacagtggac		360	
261 cgggacaccc ttgtggctg caggaagaac cagtagccgc attattggag tgaaaacctt		420	
263 ttccagtgtc tcaattgcag cctctgcctc aatgggaccg tgcacctctc ctgccaggag		480	
265 aaacagaaca ccgtgtcac ctgccatgca gtttcttc taagagaaaa cgagtgtgtc		540	

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267	tcctgttagta	actgtaagaa	aaggcctggag	tgcacgaagt	tgtgcctacc	ccagatttag	600
269	aatgttaagg	gcactgagga	ctcaggcacc	acagtgtgt	tgcgcctgtt	cattttcttt	660
271	ggtcttgc	tttatccct	cctcttcatt	ggtttaatgt	atcgctacca	acggtgaaag	720
273	tccaaagctct	actccattgt	ttgtggaaa	tgcacacctg	aaaaagaggg	ggagcttgaa	780
275	ggaactacta	ctaagcccc	ggcccaaac	ccaagcttca	gtcccactcc	aggcttcacc	840
277	cccaccctgg	gcttcagtc	cgtccccagt	tccacaccc	cctccagctc	cacctataacc	900
279	cccggtgact	gtcccaactt	tgccgctccc	cgcagagagg	tggcaccacc	ctatcagggg	960
281	gctgacccca	tccttgcac	agccctcgcc	tccgacccca	tcccaacccc	cttcagaagt	1020
283	gggaggacag	cgcacacaag	ccacagagcc	tagacactga	tgaccccgcg	acgctgtacg	1080
285	ccgtggtgg	gaacgtgccc	ccgttgcgt	ggaaggaatt	cgtcggcgc	ctagggctga	1140
287	gcgaccacga	gatcgatcgg	ctggagctgc	agaacggcg	ctgcctgcgc	gaggcgcaat	1200
289	acagcatgt	ggcgcacctgg	aggccggcgc	cgccgcggcg	cgaggccacg	ctggagctgc	1260
291	tgggacgcgt	gctccgcac	atggacactgc	tgggctgcct	ggaggacatc	gaggaggcgc	1320
293	tttgcggccc	cgcgcgcctc	ccgcccgcgc	ccagtccttc	cagatga		1367
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298	<212>	TYPE:	PRT				
299	<213>	ORGANISM:	Homo sapiens				
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307	Trp Ala Ala Ala His Ala Leu Pro Ala Gln Val Ala Phe Thr Pro Tyr						
308	20	25	30				
311	Ala Pro Glu Pro Gly Ser Thr Cys Arg Leu Arg Glu Tyr Tyr Asp Gln						
312	35	40	45				
315	Thr Ala Gln Met Cys Cys Ser Lys Cys Ser Pro Gly Gln His Ala Lys						
316	50	55	60				
319	Val Phe Cys Thr Lys Thr Ser Asp Thr Val Cys Asp Ser Cys Glu Asp						
320	65	70	75	80			
323	Ser Thr Tyr Thr Gln Leu Trp Asn Trp Val Pro Glu Cys Leu Ser Cys						
324	85	90	95				
327	Gly Ser Arg Cys Ser Ser Asp Gln Val Glu Thr Gln Ala Cys Thr Arg						
328	100	105	110				
331	Glu Gln Asn Arg Ile Cys Thr Cys Arg Pro Gly Trp Tyr Cys Ala Leu						
332	115	120	125				
335	Ser Lys Gln Glu Gly Cys Arg Leu Cys Ala Pro Leu Arg Lys Cys Arg						
336	130	135	140				
339	Pro Gly Phe Gly Val Ala Arg Pro Gly Thr Glu Thr Ser Asp Val Val						
340	145	150	155	160			
343	Cys Lys Pro Cys Ala Pro Gly Thr Phe Ser Asn Thr Thr Ser Ser Thr						
344	165	170	175				
347	Asp Ile Cys Arg Pro His Gln Ile Cys Asn Val Val Ala Ile Pro Gly						
348	180	185	190				
351	Asn Ala Ser Met Asp Ala Val Cys Thr Ser Thr Ser Pro Thr Arg Ser						
352	195	200	205				
355	Met Ala Pro Gly Ala Val His Leu Pro Gln Pro Val Ser Thr Arg Ser						
356	210	215	220				
359	Gln His Thr Gln Pro Thr Pro Glu Pro Ser Thr Ala Pro Ser Thr Ser						
360	225	230	235	240			

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363 Phe Leu Leu Pro Met Gly Pro Ser Pro Pro Ala Glu Gly Ser Thr Gly
364 245 250 255
367 Asp Phe Ala Leu Pro Val Gly Leu Ile Val Gly Val Thr Ala Leu Gly
368 260 265 270
371 Leu Leu Ile Ile Gly Val Val Asn Cys Val Ile Met Thr Gln Val Lys
372 275 280 285
375 Lys Lys Pro Leu Cys Leu Gln Arg Glu Ala Lys Val Pro His Leu Pro
376 290 295 300
379 Ala Asp Lys Ala Arg Gly Thr Gln Gly Pro Glu Gln Gln His Leu Leu
380 305 310 315 320
383 Ile Thr Ala Pro Ser Ser Ser Ser Ser Leu Glu Ser Ser Ala Ser
384 325 330 335
387 Ala Leu Asp Arg Arg Ala Pro Thr Arg Asn Gln Pro Gln Ala Pro Gly
388 340 345 350
391 Val Glu Ala Ser Gly Ala Gly Glu Ala Arg Ala Ser Thr Gly Ser Ser
392 355 360 365
395 Asp Ser Ser Pro Gly Gly His Gly Thr Gln Val Asn Val Thr Cys Ile
396 370 375 380
399 Val Asn Val Cys Ser Ser Asp His Ser Ser Gln Cys Ser Ser Gln
400 385 390 395 400
403 Ala Ser Ser Thr Met Gly Asp Thr Asp Ser Ser Pro Ser Glu Ser Pro
404 405 410 415
407 Lys Asp Glu Gln Val Pro Phe Ser Lys Glu Glu Cys Ala Phe Arg Ser
408 420 425 430
411 Gln Leu Glu Thr Pro Glu Thr Leu Leu Gly Ser Thr Glu Glu Lys Pro
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415 Leu Pro Leu Gly Val Pro Asp Ala Gly Met Lys Pro Ser
416 450 455 460
419 <210> SEQ ID NO: 6
420 <211> LENGTH: 1384
421 <212> TYPE: DNA
422 <213> ORGANISM: Homo sapiens
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429 cggctcagag aataactatga ccagacagct cagatgtgct gcagcaaatg ctgcggggc 180
431 caacatgcaa aagtttctg taccaagacc tcggacaccg tttgtgactc ctgtgaggac 240
433 agcacataca cccagctctg gaaactgggtt cccgagggtct tgagctgtgg ctcccgctgt 300
435 agctctgacc aggtggaaac tcaagccttc actcggaaac agaaccgcat ctgcaccc 360
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439 cgcaagtgcc gccccgggtt cggcggtggcc agaccaggaa ctgaaaatc agacgtggtg 480
441 tgcaagccct gtccccccggg gacgttctcc aacacgactt catccacgga tatttgcagg 540
443 cccccaccaga tctgttaacgt ggtggccatc cctggaaatg caagcatgga tgcagtctgc 600
445 acgttccacgt cccccaccgg ggtatggcc caggggcagt acacttaccc cagccagtgt 660
447 ccacacgatc ccaacacacg cagccaactc cagaacccag cactgctcca agcacctcc 720
449 tcctgctccc aatggggcccc agccccccagg tgaaggggac actggcgact tcgctttcc 780
451 agttggactg attgtgggtg tgacagccctt gggctacta ataataggag tggtaactg 840
453 tgtcatcatg acccaggtga aaaagaagcc cttgtgcctg cagagagaag ccaaggtgcc 900
455 tcacttgcct gccgataagg cccggggtaac acaggcccc gagcagcagc acctgctgat 960

VERIFICATION SUMMARY DATE: 10/05/2005
PATENT APPLICATION: US/10/523,328 TIME: 16:05:41

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